3. The elements of natural astronomy, sufficient for ascertaining time, azimuth, and latitude.
4. A fair knowledge of all rules in force, for the general conduct of the Survey Establishments, in the Department to which the probationer is attached.

Each candidate will also be required to produce a certificate of having passed an examination by the higher standard in any vernacular languages prescribed by the Government under which the probationer is employed.

VII.—The examinations for the Topographical and Revenue Surveys will be conducted by the Head of the Department in which the probationer is serving, aided by such professional officers, to the number of two, as may be available. Whenever desirable, sealed examination questions may be transmitted, in view to their being answered by the probationer in the presence of the officer in charge of the Survey Party to which he is attached, in lieu of obliging him to appear at departmental head-quarters for the purpose of examination.

VIII.—For the geodesical branch of the Trigonometrical Survey, the preliminary examination will be theoretical only, comprising mathematics up to conic sections, and the principles of construction of instruments in common use. The final examination will be theoretical and practical, embracing analytical geometry of three dimensions, statics, dynamics, astronomy, the construction of the instruments of the Great Trigonometrical Survey and a practical familiarity with their management. Candidates for the Staff Corps will also be required to produce a certificate of having passed an examination by the higher standard in any vernacular language prescribed by the Government under which the probationer is employed.

IX.—The Examiners will be the Superintendent of the Great Trigonometrical Survey, with any two available officers of the Department at his head-quarters.

X.—The degree of proficiency attained by candidates will be ascertained in both branches of the Survey Department by written questions, the examination papers being framed at departmental head-quarters.

FORM OF CERTIFICATE REFERRED TO IN RULE II.

Certificate of Commanding Officer.

Certified that Lieutenant of the Regiment, a candidate for the Staff Corps, completed three years' duty with a Regiment on the two years of which (or the whole period of which as the case may be) were spent in India.

EXAMINATIONS.]

Lieutenant has passed the examination in the native languages which qualifies for staff employment, and has attained such a knowledge of his drill and duty as an officer of Infantry (or Cavalry) in all its branches as to qualify him for the command of a Company (or Troop) in all situations. He also possesses a fair knowledge of the Articles of War and of the Queen's Regulations, as well of the Military Regulations of the (Bengal, Madras or Bombay) Presidency, besides having gained some general acquaintance with the organization and nature of the duties of all branches of the Army serving in Bengal, Madras or Bombay.

I further certify that, during the period Lieutenant has served with this Regiment, he has been attentive to his duty, and that his conduct has been in all respects unexceptionable.

Station and date.

Commanding Regiment.

Surgeon's Certificate.

I certify that, to the best of my belief, Lieutenant is in good bodily health, has good eyesight, and is apparently well capable of undergoing the vicissitudes of service in India.

Station and date.

Surgeon Regiment.

(G. I., H. D., Notn. No. 49, dated 9th February 1869; *vide* G. R. No. 683 A, dated 17th idem.)

2. The rules accompanying Government Resolution No. 683 A, dated 17th February 1869, should be held applicable to Probationary Uncovenanted Assistants of the Survey Department. It is very desirable that the examinations of Probationary Uncovenanted Assistants should be held before formally constituted committees. It will be the duty of the Survey Commissioner, from time to time, to apply to Government for the appointment of a Committee, and in doing so, to suggest the names of the officers who should compose it.

In considering whether a probationer should be confirmed or not, Government will, in addition to the recommendation of the Committee, be guided by the opinion of the officer under whom he has been directly serving. (G. R. No. 1723, dated 1st April 1874.)

3. In supersession of existing orders it is ruled that, prior to appointment as Probationary Assistant Superintendent in the Revenue Survey Department of this Presidency, it shall henceforward be always necessary—

1. That the candidate shall have completed his nineteenth year of age; and

2. That unless he has already passed an examination in Maráthi, according to the higher

standard, he shall pass a special examination in that language by—

(i) Reading and translating into English passages from the Maráthi translation of Æsop's Fables;

(ii) Reading out a Maráthi petition written in very plain simple language, in the Modi character:

(iii) Translating from English into Maráthi an easy, simple deposition; and

(iv) Conversing on the most familiar subjects in Maráthi.

2. The examination in the above heads will be conducted by the Presidency Examination Committee; and this examination will be called "The standard qualifying for first appointment to the Revenue Survey."

3. Before promotion from the probationary grade to a Permanent Assistant Superintendent's appointment, it is necessary that a Higher Standard Examination be passed in Maráthi (or in Gujaráti, should the officer be nominated to Gujarát) as well as the usual Departmental Examination in Departmental subjects connected with carrying on duty in the survey.

4. If, after passing a Higher Standard Examination in Maráthi or Gujaráti, an officer should be at any time employed in a province where another language is the vernacular, he will be required to pass an examination as regards reading and speaking in the language of that province.

5. Any officer who shall not pass the examination prescribed in paragraph 4 within one year shall be liable to a reduction of 20 per cent. made from his salary until such date as he may pass.

(G. Rs. No. 4095, dated 14th August 1878, and No. 1140, dated 12th February 1883.)

4. Survey officers required under the rules to pass examinations in the vernacular languages should pass such examinations before the Civil and Military Examination Committee. Only in special cases and for special reasons can examinations by Local Committees be allowed, and then in such instances the previous sanction of Government should be obtained to the adoption of such a course. Uniformity of standard can only be ensured by requiring the candidates to be, as a rule, examined by a permanent Examining Board. (G. R. No. 2116, dated 22nd April 1880.)

5. The language in which a survey officer is required to pass the Higher Standard Examination is the vernacular of the district or province in which he is serving at the time. (G. R. No. 1654, dated 21st March 1881.)

6. In order to qualify for the higher scale of pay, a Probationary Assistant Superintendent of Survey is required to be able to test measurements satis-

factorily and to pass a colloquial examination in the vernacular language of the district in which he is employed.

Report should be made to Government when Probationary Assistants pass the prescribed examination entitling them to the higher rate of pay in view to the publication of the requisite notification in the *Government Gazette*.

(G. R. No. 4140, dated 18th July 1881.)

VII.—FOREST OFFICERS.

1. His Excellency the Right Honourable the Governor in Council is pleased to prescribe the following rules for the examination of officers of the Forest Department in the Bombay Presidency, in supersession of the rules contained in Government Notification No. 2878, dated 4th June 1880, published at pages 535 and 536 of the *Bombay Government Gazette* of 10th idem, Part I, as amended by Government Notifications noted in the margin :—

No. 5142, dated 29th September 1880, published at page 782 of the *Bombay Government Gazette* of 30th idem, Part I.

No. 5510, dated 3rd August 1886, published at page 649 of the *Bombay Government Gazette* of 5th idem, Part I.

1. Forest officers will be required to pass examinations in the following subjects :—

(*a*) Languages (according to the Lower and Higher Standards prescribed for Junior Civilians).

(*b*) Land Revenue.

(*c*) Forest Law.

(*d*) Procedure and Accounts.

2. Examinations in all the subjects will be held in April and October of every year before the Central Committee for Departmental Examinations, to which a Conservator of Forests or a Deputy Conservator of Forests in charge of a Circle will be appointed from time to time as an additional member. Examinations in languages alone will be held in January and July before the Sub-Committee for Vernacular Examinations of the Central Committee for Departmental Examinations.

3. Every officer shall present himself for examination according to the Lower Standard in the language of the division in which he is serving at the latest, at the first meeting of the Central Committee after he has been nine months in the service in this country, whether as Assistant Conservator of Forests, Second Grade, or as Extra Assistant Conservator of Forests, Fourth Grade, and he shall be placed under stoppages of 10 per cent. of his pay should he fail to pass within 18 months of the date of his joining the service in the Presidency.

4. No officer will be eligible for promotion out of the grade of Assistant Conservator of Forests,